

Converting Colors

XYZ(14.9538, 16.1466, 19.6417)

Have a look what the booklet for
XYZ(14.9538, 16.1466, 19.6417)
contains.

XYZ(14.9438, 16.0852, 19.7699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9438, 16.0852,
19.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	687177
RGB	104, 113, 119
RGB Percent	41%, 44%, 47%
CMY	0.5922, 0.5569, 0.5333
CMYK	0.13, 0.05, 0.00, 0.53
HSL	204°, 7%, 44%
HSV	204°, 13%, 47%
XYZ	14.9438, 16.0852, 19.7699
YIQ	110.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

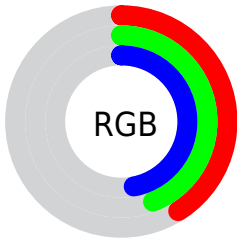
Format	Color
R_{YB}	104, 110, 119
Decimal	6844791
CIE _{Lab}	47.09, -2.06, -4.48
CIE _{LCh}	47, 4.933, 245.327
Yxy	16.0852, 0.2942, 0.3166
Android (android.graphics.Color)	4285034871 (0xFF687177)
YUV	110.9930, 3.9475, -6.1329
Hunter-Lab	40.1064, -3.6763, -1.1518

Details

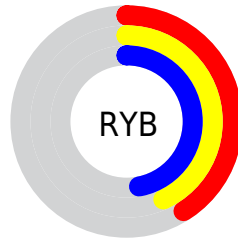
The XYZ color **14.9438, 16.0852, 19.7699** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6824, 16.0732, 15.3728**, and the grayscale version is **15.0982, 15.8845, 17.2982**.

A 20% lighter version of the original color is **34.3234, 36.8191, 43.8258**, and **4.7150, 5.1054, 6.6982** is the 20% darker color. If you saturate the color by 10%, you get **13.1419, 14.3891, 19.5377**, and if you desaturate by 10%, it is **16.9695, 17.9389, 20.0212**.

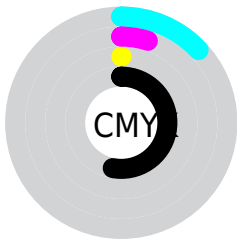
Distribution



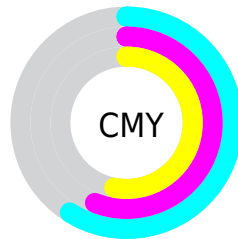
- Red (41%)
- Green (44%)
- Blue (47%)



- Red (41%)
- Yellow (43%)
- Blue (47%)



- Cyan (13%)
- Magenta (5%)
- Yellow (0%)
- Black (53%)



- Cyan (59%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9438, 16.0852, 19.7699 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 14.9438, 16.0852, 19.7699 by changing the saturation by 10% instead.

■ 14.9438, 16.0852,
19.7699

■ 14.9438, 16.0852,
19.7699

216.4209,
229.8439, 263.2296

■ 8.8660, 9.5845,
12.0455

■ 34.3270, 36.7461,
43.8850

■ 4.7103, 5.1243,
6.6517

■ 48.3632, 51.6750,
61.1127

■ 2.1113, 2.3204,
3.1701

■ 65.7828, 70.1820,
82.3452

■ 0.6953, 0.7845,
1.1822

■ 86.9513, 92.6517,
108.0012

■ 0.0000, 0.0000,
0.0000

112.2340,
119.4683, 138.4990

141.9963,

151.0163, 174.2574

176.6035,
187.6800, 215.6947

■ 14.9438, 16.0852,
19.7699

■ 14.9438, 16.0852,
19.7699

■ 13.1419, 14.3891,
19.5377

■ 16.9695, 17.9389,
20.0212

■ 11.5537, 12.8435,
19.3231

■ 19.2256, 19.9528,
20.2910

■ 10.1707, 11.4437,
19.1258

■ 21.7202, 22.1323,
20.5802

■ 8.9830, 10.1840,
18.9453

■ 24.4605, 24.4816,
20.8892

■ 7.9800, 9.0582,
18.7808

■ 27.4536, 27.0049,
21.2185

■ 7.1497, 8.0595,
18.6318

■ 30.7062, 29.7062,
21.5685

■ 6.4789, 7.1804,
18.4975

■ 34.2245, 32.5893,
21.9396

■ 5.9515, 6.4118,
18.3769

■ 38.0148, 35.6581,
22.3321

■ 5.6095, 5.8912,
18.2945

■ 42.0830, 38.9160,
22.7466

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.6197, 16.0852, 18.9284



14.9438, 16.0852, 19.7699



15.3659, 16.0852, 19.9954

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.9438, 16.0852, 19.7699



16.1320, 16.0852, 17.2937



14.8124, 16.0852, 15.6410

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



14.9438, 16.0852, 19.7699



15.6824, 16.0732, 15.3728

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.2114, 16.0852, 15.2469



14.9438, 16.0852, 19.7699



15.9774, 16.0852, 16.1719

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



14.9438, 16.0852, 19.7699



16.0571, 16.0852, 18.5277



15.6385, 16.0852, 15.4367



14.5448, 16.0852, 16.5381

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



14.9438, 16.0852, 19.7699



15.6472, 16.0852, 19.7574



15.6385, 16.0852, 15.4367



14.9353, 16.0852, 15.4473

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



14.9443, 16.0859, 19.7703



29.8184, 31.6083, 35.7825



15.1069, 17.2573, 17.2156



7.0092, 7.4387, 8.4731



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.9443, 16.0859, 19.7703



25.8252, 27.9337, 35.2837



14.1673, 14.5319, 19.5113



3.6663, 3.9212, 4.6539



5.9502, 6.2400, 19.4334



28.1409, 28.6984, 94.4164

Inverse Universe

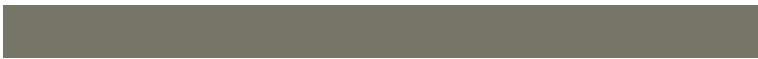
The Inverse Universe completely reimagines the original color for something new.



15.5391, 15.0151, 17.7028



27.1096, 25.6669, 30.8092



16.4972, 17.7026, 15.6444



3.7676, 3.7343, 4.3028



9.3005, 4.6539, 6.7906



44.8910, 22.5065, 30.8189

Previews

White Background



This preview shows how the XYZ color 14.9438, 16.0852, 19.7699 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 14.9438, 16.0852, 19.7699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

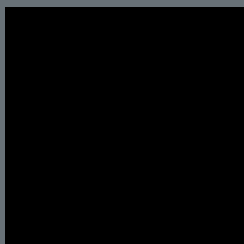
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

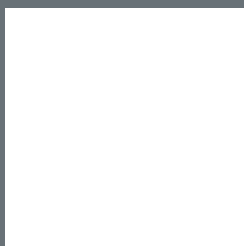
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9438, 16.0852, 19.7699

Background



This preview shows how black text looks on a background with the XYZ color 14.9438, 16.0852, 19.7699.

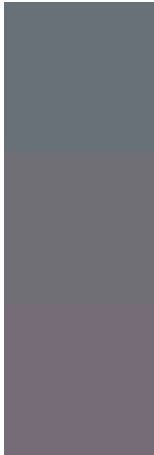


This preview shows how white text looks on a background with the XYZ color 14.9438, 16.0852,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

14.9438, 16.0852, 19.7699

Protanopia

15.6365, 16.1216, 19.4272

Deuteranopia

16.2239, 15.9327, 19.9895



Tritanopia

15.1269, 16.1585, 20.7340

Trichromacy



Original Color

14.9438, 16.0852, 19.7699

Protanomaly

15.3709, 16.1476, 19.4462

Deuteranomaly

15.7761, 16.0186, 20.0297

Tritanomaly

15.0652, 16.1338, 20.4093

Monochromacy



Original Color

14.9438, 16.0852, 19.7699

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0158, 15.9914, 18.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9438, 16.0852, 19.7699 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 113, 119)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 113, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 119) }
```

Border

The CSS property to change the border of an element to XYZ 14.9438, 16.0852, 19.7699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 113, 119) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 113, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 113, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 119);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9438, 16.0852, 19.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
113, 119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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